

**Associate of Applied Science in
Advanced Manufacturing/Mechatronics Technology to
Bachelor of Applied Arts & Sciences
Effective for the 2018-2019 Catalog**

First Year – Eastfield College²

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	MFGT 1404 – Automated Manufacturing
ELMT 1405 – Basic Fluid Power	CETT 1405 – AC Circuits
ENG 1301 – Composition I (010)	CETT 1429 – Solid State Devices
MATH 1314 – College Algebra OR MATH 1332 – Contemporary Mathematics (020)	SPCH 1311 – Introduction to Speech Communication OR SPCH 1315 – Public Speaking (090)
EECT 1104 – Electronic Soldering OR EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	

Second Year – Eastfield College

It's best to apply to (University) a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
MFGT 1406 – Mechanical Principles in Automated Manufacturing	MFGT 2459 – Industrial Automation II
CETT 1425 – Digital Fundamentals	Emphasis Elective ⁺
ELPT 2419 – Programmable Logic Controllers I	CETT 1441 – Solid State Circuits
Humanities/Fine Arts Elective* (040 OR 050)	Social/Behavioral Science Elective* (060, 070 OR 080)

AAS: Advanced Manufacturing/Mechatronics Technology (60 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
PSCI 2305 – American Gov't: Process & Policies (GOVT 2305)	PSCI 2306 – American Gov't: Laws & Institutions (GOVT 2306)
BIOL 1112 – Contemporary Biology* (BIOL 1408)	BIOL 1132 – Environmental Science* (BIOL 2406)
TECM 2700 – Technical Writing* (ENGL 2311)	BAAS 3020 – Fundamentals of Inquiry and Discovery
LTEC 3220 – Computer Graphics in Education & Training*	LTEC 4000 – Principles of Training and Development*
LTEC 4121 – Technical Presentation Skills*	LTEC 3260 – Web Authoring

Fourth Year – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
BAAS 3000 – Pathways to Civic Engagement	BAAS 4980 – Managing a 21 st Century Career
HIST 2610 – US History to 1865 (HIST 1301)	HIST 2620 – US History since 1865 (HIST 1302)
CMUET 3030 – Music Cultures of the World*	LTEC 4040 – Project Management & Appl. Tech Perf. Improvement*
LTEC 4160 – Adv. Computer Applications in Education & Training*	LTEC 4200 – Perf. Improvement in Education & Training*
LTEC 3610 Principles of Team Science*	ENGR 1030 - Technology Systems*

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

Academic Advising Notes and Legend

- 1** You may use this pathway if you entered one of the seven colleges on or before this date.
- 2** Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.
- C** This course counts for the Core Curriculum at any public college or university in Texas.
- *** There are several options to fulfill this requirement. See your academic advisor for a specific list.
- +** Technical elective must be selected from the following:
CETT 1407, CETT 1449, CETT 2480, CETT 2481, CPMT 1403, EECT 1491, HART 1407, MCHN 1454, WLDG 1471
- ^** The Advanced Manufacturing/Mechatronics Technology Certificate is offered at Eastfield College and Mountain View College.
- ()** Course numbers shown in parentheses are equivalent to these courses at University.

******In order to complete the B.A.A.S. degree a student must earn a "C" or better in the following core courses: ENGL 1301 Composition I and TECM 2700 Technical Writing. A "C" or better is also required for the three B.A.A.S. foundation courses: BAAS 3020, BAAS 3000 and BAAS 4980.

UNT Professional Development Concentration Options

This example Pathway includes 12-hour concentrations in Tourism (%), Hospitality Management (^^) and Business Management (**). Other concentration options are available. Human Resources and Entrepreneurship are just two of the many additional concentrations and focus areas available with the UNT B.A.A.S Degree. See your academic advisor for the most up to date list of concentration options.

UNT Residency and Advanced Hours:

Up to 90 of the 120 hours required for the BAAS degree may be transferred from other approved institutions. At least 30 hours must be taken from UNT. The degree also requires that 36 of the 120 hours are advanced level (from courses with a 3000 or 4000 prefix) and that at least 24 of these are taken from UNT.

For questions about the UNT portion of this guided pathway,
Contact the Applied Arts and Sciences at (940) 369-8129 or baas@unt.edu.